Vision™ Model 100t LightAmp™
DLP™ Home Theater Projector

THX

The Vision™ Model 100t has earned the world's first THX video product certification, meeting the industry's most stringent performance and quality specifications.

Vidikron has equipped the Vision™ Model 100t with our advanced, 3-chip DLP™ technology featuring 1280 x 720 native resolution. This technology is integrated into a LightAmp™ engine developed by Vidikron engineers to produce an amazing 3500 ANSI lumens of light output (CSMS™ Light Output of 78.5 ft-Lamberts) for the ultimate video performance in rooms with high ambient light levels.

Vidikron's exclusive all-digital Imagix™ video processing is integrated into the projector chassis for the most advanced video scaling and image quality available. Six lens options with precision optics facilitate a wide range of projector installation choices, and include generous motorized horizontal and vertical electronic lens shift capabilities. Multiple discrete inputs, IntelliWide™ aspect ratio control, two DVI (HDCP compliant) inputs, three 12V triggers and an RS-232 interface for seamless integration with today's latest automation control systems are included.

Vidikron's award-winning CineWide™ with AutoScope™ option eliminates useless black bars, filling your entire screen with high resolution excitement when enjoying 2.35:1 superwide movies.

Vidikron®
Going Beyond Home Theater™

Specifications	Vision™ Model 100t
Projector Type:	Digital Light Processing™ (DLP™), 3-chip, 16:9 LightAmp™ DMD's™
Native Resolution:	1280 x 720 (16:9)
Aspect Ratio:	4:3, Letterbox, 16:9 Anamorphic, IntelliWide™, IntelliWide™ 2.35, Cinema
Video Standards:	NTSC, PAL, ATSC
DTV Compatibility:	480p, 720p, 1080i
Scan Frequency:	Horizontal: 15–100 KHz Vertical: 28–78 Hz
Picture Size (16:9 Screen):	Recommended Width: 72–120 in. Maximum Width: 250 in.
Throw Distance (Factor x Screen Width):	Lens Option A: Fixed 0.64 x width (for rear screen applications) Lens Option B: Zoom 1.24–1.42 Lens Option C: Zoom 1.45–1.73 Lens Option D: Zoom 1.85–2.35 (with CineWide 1.42 to 1.75 with 2.35:1 screen) Lens Option E: Zoom 2.45–3.55 (with CineWide 1.86 to 2.62 with 2.35:1 screen) Lens Option F: Zoom 3.65–5.70 (with CineWide 2.77 to 4.24 with 2.35:1 screen)
Horizontal and Vertical Offset:	Horizontal: +/- 10 to 13% Vertical: 0% to 13% above center of screen; 0% to 80% below center of screen (Lens options B – F with ceiling mount. Vertical specifications are with horizontal shift at center. Horizontal specifications are with no vertical shift used. Amount of available shift varies per lens. Contact Vidikron technical support for installation details.)
Light Output:	CSMS™* Specifications: Home Theater Calibration: 2631 ANSI Lumens; 78.5 Foot-Lamberts (fL). 3500 ANSI Lumens
Contrast Ratio:	CSMS* Contrast Ratio: 228:1; 2000:1 ANSI
Lamp:	275W UHP
Estimated Lamp Life:	2000 hours
Inputs :	(1) Composite; (2) S-Video; (1) Component; (2) HD - R (Pr), G (Y), B (Pb), H, V; (2) DVI w/HDCP
Control Options:	Discrete infrared remote, (1) RS-232, 9-pin Connector
Screen Trigger/Masking Outputs:	(3) 12V DC, 1/8A
Power Requirements:	100–240V AC, 50/60 Hz, 610W
Operating Environment:	40°–95° F, (5°–35° C) 0%–90% Humidity (non-condensing)
Dimensions (w/o feet):	Width: 23 5/8 in. (600.00 mm) Depth: 26 7/8 in. (682.62 mm) Height: 9 1/2 in. (241.30 mm) Weight: 65 lbs. (29.48 kg) (without lens)
Regulatory Approvals:	Complies with FCC, CE C-Tick
Limited Warranty:	Projector: Two (2) years parts and labor from the date of delivery to the end user. Lamp Warranty: 1000 hours or six (6) months, whichever comes first.

CineWide™ with AutoScope™

Until now, viewing movies presented in the CinemaScope™ 2.35:1 format has meant the presence of useless black bars on the top and bottom of your screen. It has also meant a possible loss of resolution because widescreen digital imaging chips are in the 16:9 widescreen aspect ratio, not nearly as wide as 2.35:1.

Through the magic of our award winning CineWide with AutoScope technology and the use of an appropriate screen, constant vertical height is maintained, filling the entire screen area. When you transition from a standard 16:9 (1.78:1) widescreen aspect ratio to 2.35:1 Cinema, the picture simply gets wider—really wide, just as you would experience in a quality cinema.

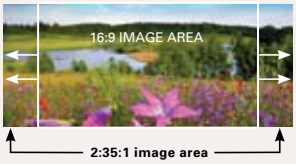
Conventional Method

A conventional 2.35:1 image displayed on a 1.78:1 (16:9) screen.

Black bars = lost resolution

CineWide™ with AutoScope™

Constant Vertical height and full resolution are maintained. 100% of pixels are used. Black bars are eliminated.



How it works:

The video processor anamorphically "stretches" the 2.35:1 image vertically to completely fill the display's imaging chip's. This allows all pixels to be used.

2.35:1 Image on a 16:9 imaging chip

16:9 Image Area

The anamorphic lens then "stretches" the image width to 2.35:1. Correct geometry is restored, while 100% of the pixels are now used to maintain full resolution and eliminate black bars.

CineWide with AutoScope requires the use of a 2.35:1 or similar aspect ratio superwide screen.

IMAGIX DIGITAL VIDEO

CINEWIDE™

isf ccc Engineered for ISF® calibration.

Installer Dependent

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Vidikron® Going Beyond Home Theater™

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*Cinema Standards Measurement System. See www.vidikron.com for more details. Specifications are subject to change without notice. Optional ceiling mount available.

Theater installation courtesy of Cinema Design Group Intl., Boca Raton, FL

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